FIG.1

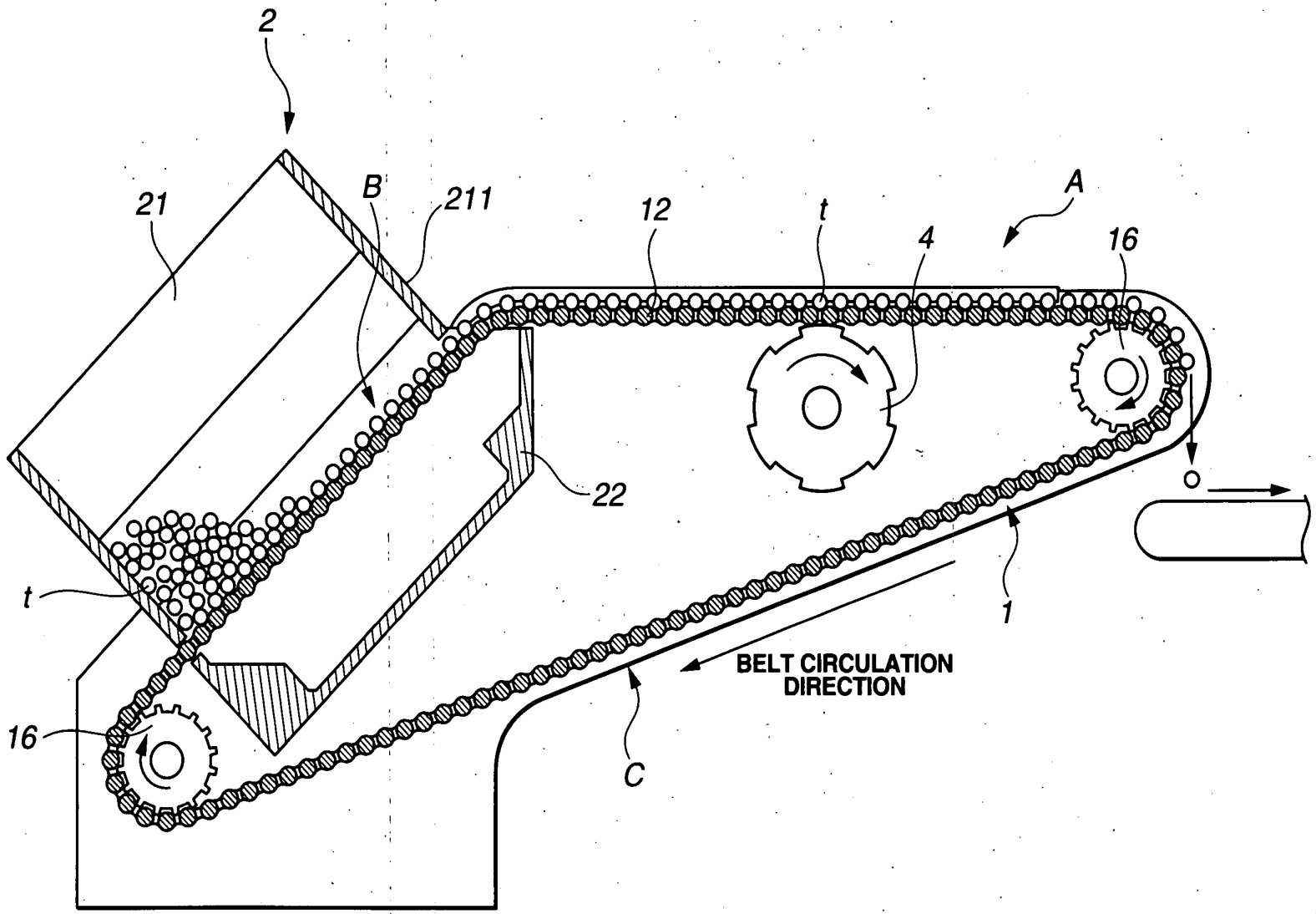


FIG.2

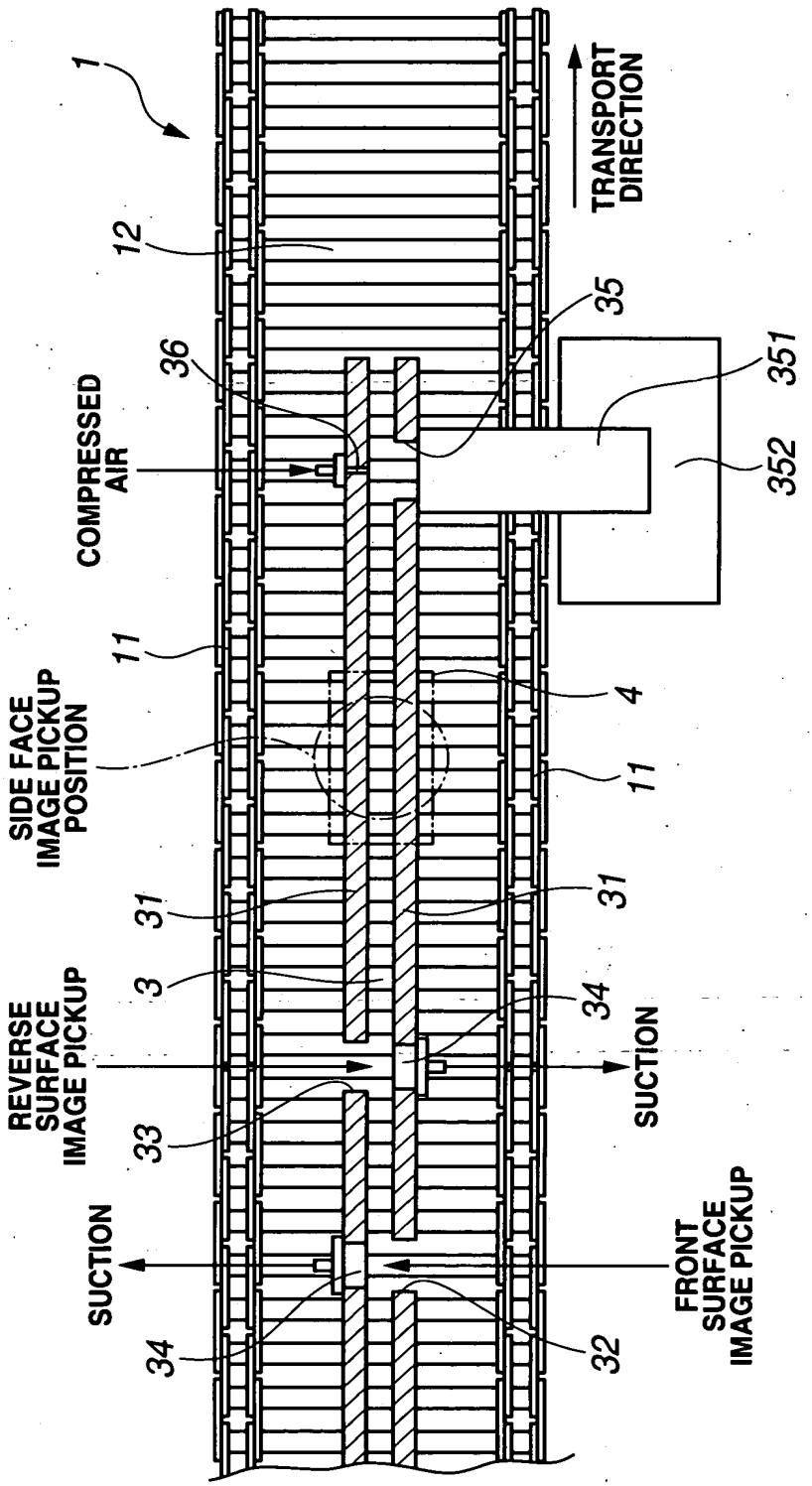

1
12
TRANSPORT DIRECTION
35
36
351
352
COMPRESSED AIR
11
SIDE FACE IMAGE PICKUP POSITION
4
11
31
31
3
34
REVERSE SURFACE IMAGE PICKUP
SUCTION
33
SUCTION
34
32
FRONT SURFACE IMAGE PICKUP

FIG.3

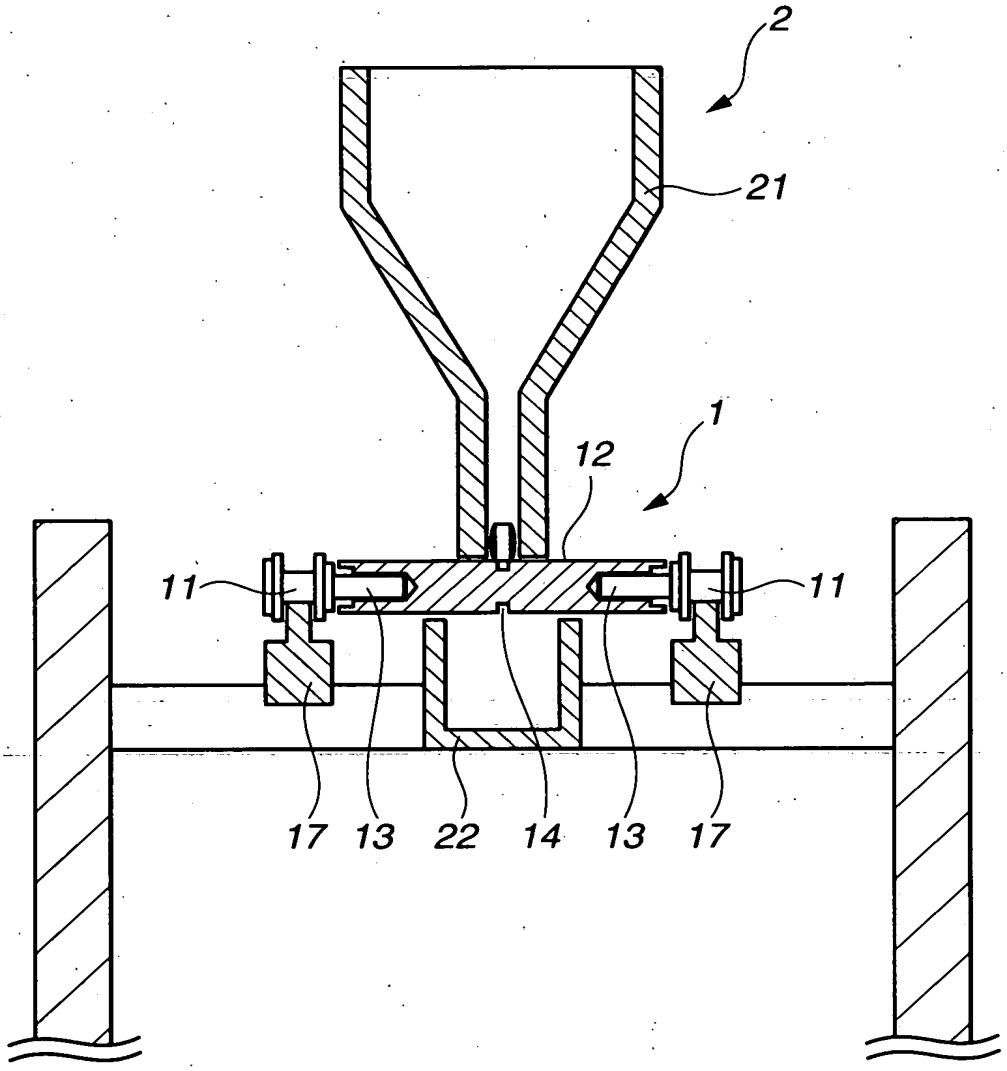


FIG.4

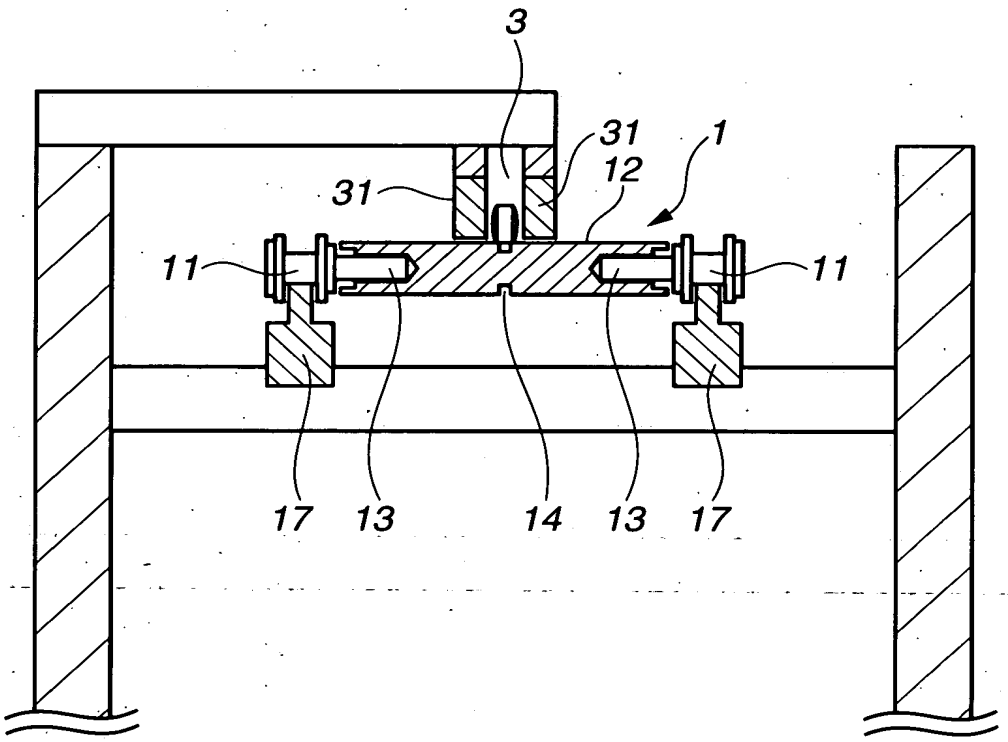


FIG.5

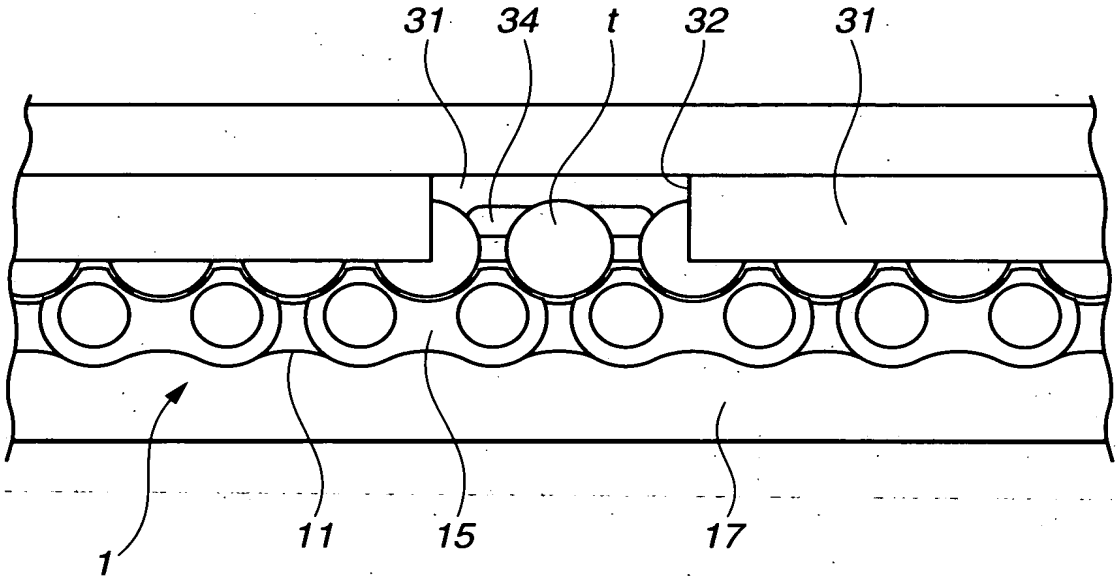


FIG.6

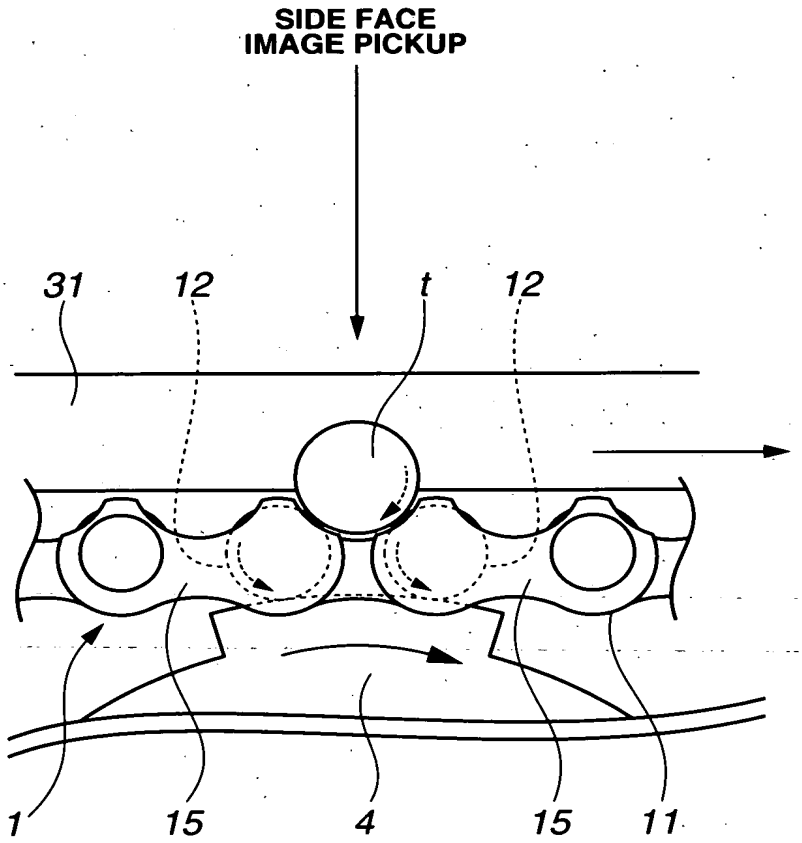
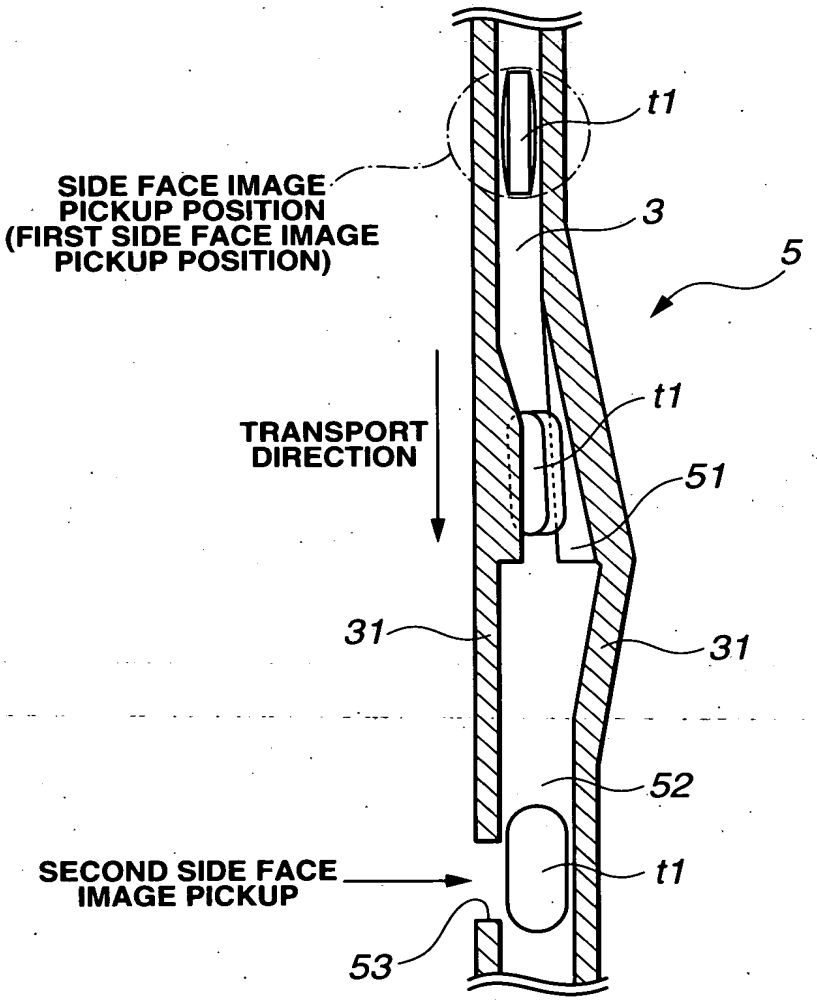


FIG.7


SIDE FACE IMAGE PICKUP POSITION (FIRST SIDE FACE IMAGE PICKUP POSITION)
t1
3
5
TRANSPORT DIRECTION
t1
51
31
31
52
SECOND SIDE FACE IMAGE PICKUP
t1
53

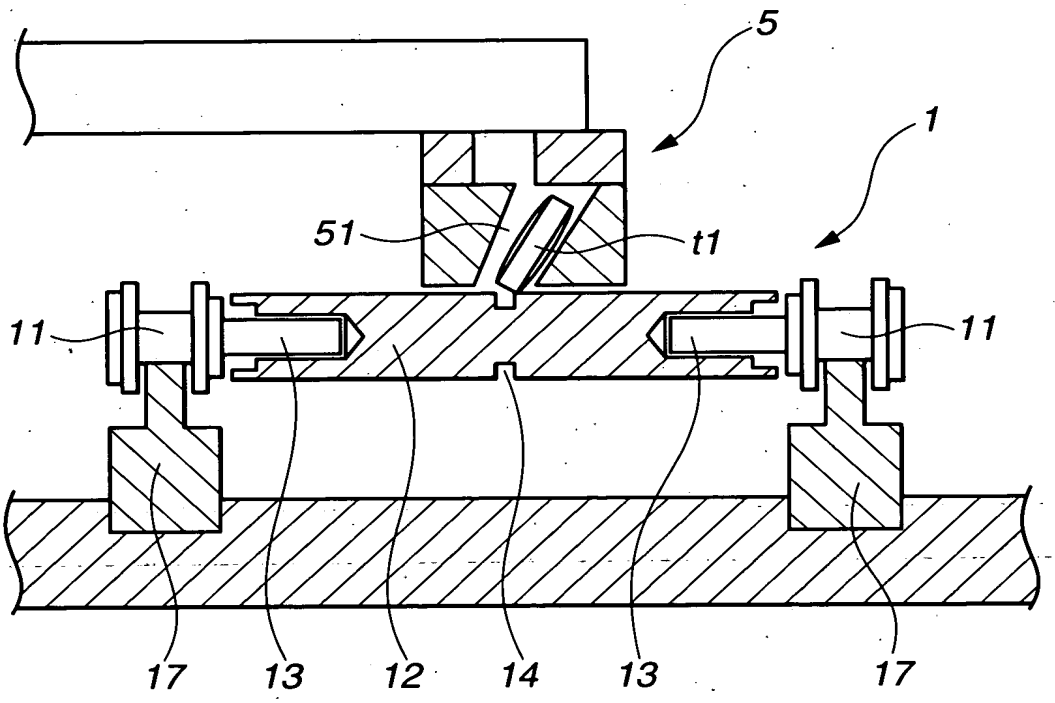



FIG.8